WHAT IS CLAIMED IS:

- 1. A hearing device, comprising:
- a radio device to transmit signals to a second hearing device, the radio device comprising an antenna device to perform at least one of transmitting and receiving, the antenna device comprising a self-exciting oscillation circuit.
- 2. The hearing device according to claim 1, wherein the antenna device consists exclusively of an LC oscillation circuit.
- 3. The hearing device according to claim 1 further comprising a receiving device comprising a median filter device configured to reduce noise signals.
- 4. The hearing device according to claim 1, wherein a half-duplex transmission line is established with the radio device.
- 5. The hearing device according to claim 1, wherein a signal transmission is implemented in the long-wave range with the radio device.
 - 6. A hearing device, comprising:
 - a receiving device configured to receive a plurality of values of at least one radio signal, the receiving device comprising a median filter device with which a median value of the plurality of values is determined for noise signal prevention.
- 7. The hearing device according to claim 6, further comprising an antenna device with a self-exciting oscillation circuit.

- 8. The hearing device according to claim 7, wherein the antenna device consists exclusively of the LC oscillation circuit.
- 9. The hearing device according to claim 6, further comprising a transmitter device configured to permit a half-duplex transmission line to be established with the receiving device and the transmitter device.
- 10. The hearing device according to claim 6, wherein the receiving device is configured to receive in the long-wave range.
- 11. The hearing device according to claim 6, wherein each of the plurality of values is a measure for a period duration of the self-exciting oscillation circuit.
 - 12. The hearing device according to claim 1, further comprising:
 - a receiving device; and
 - an LC oscillation circuit that is configured both to generate a carrier frequency for transmission and to clock the receiving device.
- 13. The hearing aid device according to claim 12, wherein the LC oscillation circuit is used to clock a filter device of the receiving device.
 - 14. The hearing aid device according to claim 1, further comprising:
 - a receiving device configured to receive a plurality of values of at least one radio signal, the receiving device comprising a median filter device with which a median value of the plurality of values is determined for noise signal prevention; and

- an antenna device comprising a self-exciting oscillation circuit comprising an LC oscillation circuit, wherein the LC oscillation circuit is used both to generate a carrier frequency for transmission and to clock the receiving device.
- 15. The hearing aid device according to claim 14, wherein the LC oscillation circuit is used to clock a filter device of the receiving device.
- 16. A method for noise signal reduction in hearing device receiving signals, comprising:
 - receiving a plurality of values of at least one radio signal via a hearing device; and
 - median filtering of the plurality of values to produce a median value for a noise signal reduction.
- 17. The method according to claim 16, further comprising providing an LC oscillation circuit that both generates a carrier frequency for transmission and clocks the median filtering.